

Please add the following claims:

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44. A method of coating a medical device, comprising:  
providing a medical device;  
providing a coating material containing a metal alloy; and  
applying the coating material to the medical device, wherein a thermal spray process is

5 used.

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45. The method of claim 44, wherein providing the medical device includes forming  
the medical device from a metal alloy.

46. The method of claim 45, wherein providing the medical device includes forming  
the medical device as a near-net shaped device.

47. The method of claim 46, wherein providing the medical device includes forming  
the medical device into a stent.

48. The method of claim 47, wherein providing the medical device includes forming  
the stent from 316L stainless steel.

49. The method of claim 48, wherein providing a coating material includes using  
316L stainless steel.

50. The method of claim 49, wherein applying the coating material forms a stainless steel coating having an average grain size of less than thirty-two microns.

51. The method of claim 49, wherein applying the coating material forms a stainless steel coating having an average grain size of less than twenty-two microns.

52. The method of claim 49, wherein applying the coating material results in a coating having porosity.

53. The method of claim 49, wherein providing a coating material includes using 316L stainless steel in the form of a powder.

54. The method of claim 53, wherein applying the coating material includes using a cold spray process.

55. The method of claim 53, wherein applying the coating material includes using a combustion thermal spray process.

56. The method of claim 53, wherein applying the coating material includes using a high velocity oxygen fuel thermal spray process.